

ABSTRACT

An ion wind generator (20) is arranged in the vicinity of a light source (1). The ion wind generator (20) allows an air flow by negatively ionizing air by corona discharges using negative side needle electrodes (21), and drawing the negatively-ionized air using a ground side mesh electrode (22).

High-temperature air surrounding the light source (1) is drawn by the air flow and exhausted from an exhaust port at a rear side of a casing. An ozone decomposition catalyst filter 23 is provided in the exhaust port. Ozone (O_3) is generated by the corona discharges in the ion wind generator (20). However, the ozone is decomposed by passing through the ozone decomposition catalyst filter 23 provided at the exhaust port.